

SUBJECT: Billerica-Roy Brothers, Inc.

BY: Brooke Monroe & Brian Kelleher

DATE: February 27, 1981

As part of the investigation concerning the above-referenced site, on February 24, 1981, the writers returned to the area to collect additional water samples. The samples were taken to determine possible environmental impacts resulting from the company's operation, specifically, contamination of the adjacent Shawsheen River.

Samples were taken in triplicate from three locations along the River (see attached map for locations). One set of samples was fixed with copper sulphate for the testing of phenols. Another set was collected in special glass vials for the testing of purgable organics. The sampling stations are labeled and described as follows:

R-1 Upstream from Roy Brothers, Inc. at bridge under Boston, Road.

R-2 Downstream from Roy Brothers, Inc.

R-3 Near intake for Burlington Water Treatment Plant (downstream from Roy Brothers, Inc.).

Following the collection of the above samples, a visit to Roy Brothers premises was made in order to see if any progress in the clean-up had been made. Moe and Art Roy indicated that the sludge was being taken away by Maine Coastal and that they were going to start separating and disposing of the barrels from on site. Whitney Barrel Company has been contacted and will take the empty barrels. A licensed hauler will have to be contacted and will take the empty barrels. A licensed hauler will have to be contracted to take the full ones. Damaged drums containing sludge residue will be crushed and disposed of through licensed contractors.

All the samples were transported immediately to Lawrence Experiment Station where they were received by Raymond Donlan (attached Chain of Evidence Record).

Laboratory analyses to be attached.

Bk/Bm/lmm



SEMS DocID

657610

1. Site Name Roy Brothers Inc.

2. Site Address 764 Boston Road Billerica 01866

3. Regional contact person: Brooke Monroe

4. Known type(s) of waste on site: Physical State Quantity:

Company is engaged in bulk transport of Liquid chemicals

Wastes: Phthalates  
Phenols  
Formalin  
Chromates  
Styrene (monomers)  
Xylene  
Greases & oils

Washed out of trucks & into unlined  
2 Lagoons which still exist

Sludge @ bottom of lagoon

Lagoons are approximately 15' x 10' each

Other lagoons where excavated & removed 3 years ago.

See attached List

5. Suspected type(s) of waste on site: Physical State Quantity:

Other chemicals possible since company hauls a variety of compounds.

6. Has monitoring taken place?

		Who	When	Results
Air	No			
Soils/sludges	Yes	<del>B. Monroe</del> <del>B. Kellner</del> DEQE	2/6/81 1976	Lab results before 1977 were from lagoons that were removed by licensed facility. See attached list.
Surface water	Yes	DEQE	2/81	
Groundwater	No			
1. Public water supply				
2. Private wells				
3. Other				

7. Site Security

a. Is site open to public? Yes

b. Is waste uncontrolled? (i.e. leaking drums, unlined lagoon, leachate)

Unlined lagoon still exists. Washings generated since February 1981 are put directly into tank trucks rather than lagoon. Since 1979 all sludge taken from lagoon was similarly put in tankers.

8. Is there evidence of contamination?

Yes, but clean up in progress

9. Is there a measureable public health impact?

No.

10. Distances up or downgradient to nearest:

Surface water (indicate if used as water supply)  $\frac{1}{4}$  mile. to Shawsheen River.  
Water intake to Burlington PWS is  $\sim 1\frac{1}{2}$  miles from site, but water is then pumped to  
Groundwater drinking source No (public or private) Burlington reservoir  
which is 4 miles from intake

11. Depth to groundwater? ?? Soil Permeability ?? Depth to Bedrock ??

12. Nearest buildings 100 yards

Type Residential & Commercial

13. Air Pollution

a) Dust No

b) Organic vapor No

c) Odors Some odors

d) Others

Wetlands involved? Yes, extensive swamp behind property. ~~Old~~  
Former lagoons were near wetland, but new lagoons put close  
to building ~ 200 yards fm. swamp.

#### 15. Contacts

a. Locals involved? Board of Health, Sewer Department, Dept. of Public  
Works, Billerica Wastewater Treatment Plant.

b. Other environmental or health agencies:  
No.

c. Publicity:

1. Media Sporadically in Lowell Sun
2. Political No.

#### 16. Enforcement

a. Is generator or responsible party known (give details)

Yes. Arthur, Leo, & Moe Roy own company

b. When last inspected May 1, 1981 By whom Brooke Monroe

c. Status of enforcement:

NOV & Show Cause Conference held. Compliance Schedule  
established as result of Conference.

d. Are orders outstanding? Are timetables being met?

No

Yes.

e. New proposed actions

Continue monitoring of compliance schedule.  
Effluent to sewer is monitored  
Drinking water in Burlington monitoring for phenols.